

2. Notes on three Species of Shells from the Rio del Rey,
Cameroons. By EDGAR A. SMITH.

[Received June 30, 1887.]

The shells here remarked upon form part of zoological collections recently sent to this country by Mr. H. H. Johnston, H.B.M. Vice-Consul for the Cameroons.

ENNEA (PTYCHOTREMA) CYATHOSTOMA, Pfr.

This species has only been previously recorded from Old Calabar, somewhat to the north-west of the Rio del Rey. Specimens from the two localities offer no differences.

MELANIA FRETHII, Gray.

The series of specimens in the British Museum and those from the Rio del Rey show that this species varies considerably in form, colour, and sculpture. The typical form (Griffith's Anim. Kingd. vol. xii. pl. 14. fig. 2), from Fernando Po, appears to be identical with *M. nigratina*, Morelet, found at Gaboon and Calabar. *M. guineensis* of Reeve I also believe to be a smoother form of this species; for although stated by Reeve to be "destitute of any striated or shagreened sculpture," the surface is in fact minutely granosely striated, but much more finely than in the type of *M. frethii*. The *M. faenaria* of Reeve is, as suggested by Brot, merely a light-coloured variety, the paleness in a great measure being due to the fact that the outer earthy deposit has been removed from the figured shell (Reeve, Conch. Icon. f. 134). The "zone of reddish rust" described by the author encircles the upper part of the whorls and is frequently visible within the aperture. None of the specimens sent by Mr. Johnston are full-grown, and some are very slender, but they all agree in having three dark bands, clearly seen within the mouth, which would probably become less conspicuous when the shells arrived at maturity.

NERITINA OWENIANA, Wood.

Nerita oweniana, Wood, Index Test. Suppl. p. 25, pl. 8. fig. 8.

Neritina oweniana, Martens, Conch.-Cab. ed. 2, pp. 75, 276, 278, pl. 9. figs. 14-17.

The only locality previously recorded for this species is the island of Fernando Po, which is situated practically in the same region as the Rio del Rey, being only some twenty or thirty miles from the mouth of that river.

This shell is usually described as reticulated with black; but among the specimens received from Mr. Johnston are a few which, although reticulated throughout, show distinct transverse dark and lighter zones. The colour of the enamel which overspreads the columellar region varies from an almost uniform reddish tint to

slaty black. The operculum also is, in some instances, almost entirely of a fleshy red colour, which in other specimens is considerably replaced, especially on the columellar side, by bluish-black streaks. The form of the young shells is very different from that of the adult, the wing-like expansions at both ends being entirely wanting, so that they have a much rounder appearance.

3. On two small Collections of African Lepidoptera recently received from Mr. H. H. Johnston. By A. G. BUTLER, F.L.S., F.Z.S., &c.

[Received August 15, 1887.]

Dr. Sclater has recently submitted to me three boxes of Lepidoptera, chiefly Butterflies, forwarded by Mr. H. H. Johnston, F.Z.S., from the Cameroons and from the Rio del Rey to the west of these mountains. The first of these collections (consisting of thirteen Butterflies and three Moths) contains nothing of great interest, the best specimen being a Moth, possibly unnamed, of the genus *Soloe*, represented in the Museum collection by one specimen from Ashanti. The other species are:—*Mycalesis martius* and *mirium*, Fabr.; *Junonia terea*, Drury; *Aterica cupavia*, Cram.; *Romaleosoma ceres*, Fabr.; *Euralia anthedon*, Doubl., and *E. mima*, var., Trimen; *Terias senegalensis*, Boisd.; *Nepheronia argia*, Fabr.; *Aletis fascelis*, Linn., and its variety *A. macularia*, Fabr.: all well-known species.

The second collection, which was unset, is far better, and may be dealt with in detail.

Lepidoptera from Rio del Rey.

RHOPALOCERA.

1. AMAURIS HECATE.

Danais hecate, Butler, P. Z. S. 1866, p. 44. n. 5.

Euploea niavius, Hewitson, Gen. Diurn. Lep. pl. 11. fig. 3.

One good specimen.

2. MYCALESIS ASOCHIS.

Mycalesis asochis, Hewitson, Ex. Butt. iii. *Myc.* pl. 7. figs. 46, 47 (1886).

A perfectly typical male.

3. MYCALESIS MARTIUS.

Papilio martius, Fabricius, Ent. Syst. iii. 1, p. 219. n. 686 (1793).

One beautiful male.